

METHOD AND DEVICE FOR DISPLAYING POLYHEDRON

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Abstract of JP8235380

PURPOSE: To reduce the quantity of calculation for generating a picture without deteriorating the quality of a generated picture by applying anti-aliasing processing only to a specific and partial ridge line.

CONSTITUTION: In a polygon front/back calculating step 11, calculation for judging whether each polygon is turned to the front or not is executed. In a front/back sharing ridge line judging step 12, whether each of all edges constituting a polyhedron is 'an edge shared by a polygon turned to the front and a polygon turned to the back' or 'an edge contacting with only one polygon' or not is judged. In a polygon plotting step 13, anti-aliasing processing for reducing a jaggy state is applied only to the edge line judged as a satisfied edge line in the step 12. Then polygons are plotted in the step 13, and in a picture display step 14, a picture for a polyhedron is generated and displayed.



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